# Product Datasheet

## GOLM1 Antibody
## NBP1-50627SS

Unit Size: 0.025 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.



**Reviews: 2**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-50627

Updated 6/15/2014 v.20.1

# NBP1-50627SS

GOLM1 Antibody

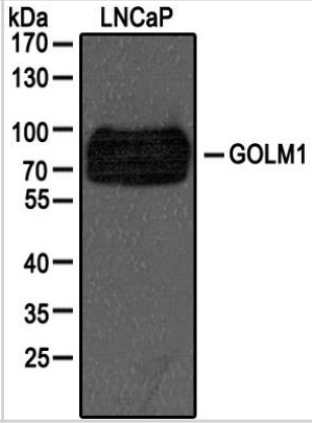
| Product Information | |
|---|---|
| **Unit Size** | 0.025 ml |
| **Concentration** | 0.61 mg/ml |
| **Storage** | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| **Clonality** | Polyclonal |
| **Preservative** | 0.05% Sodium Azide |
| **Purity** | Immunogen affinity purified |
| **Buffer** | PBS, 0.1% BSA, 50% glycerol |

| Product Description | |
|---|---|
| **Host** | Rabbit |
| **Gene ID** | 51280 |
| **Gene Symbol** | GOLM1 |
| **Species** | Human |
| **Species Reactivity** | Human. |
| **Marker** | Golgi Apparatus Marker |
| **Immunogen** | A genomic peptide made to an internal region of the human GOLM1 protein (within residues 250-400). [Swiss-Prot Q8NBJ4] |
| **Notes** | Manufactured by Genomic Antibody Technology™. GAT FAQs |

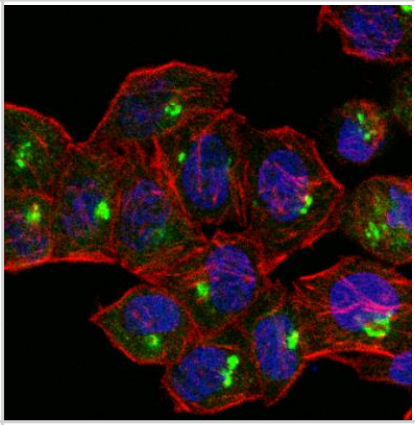
| Product Application Details | |
|---|---|
| **Applications** | Western Blot, Immunocytochemistry/Immunofluorescence |
| **Recommended Dilutions** | Immunocytochemistry/Immunofluorescence 1:500, Western Blot 1:5000 |
| **Application Notes** | This GOLPH2 antibody is useful for ICC/IF and Western blot. |

## Images

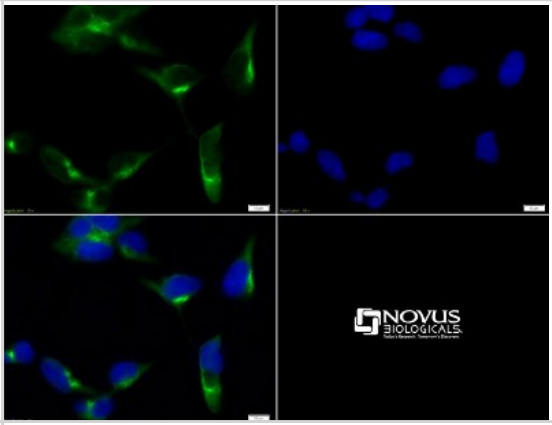
Western Blot: GOLM1 Antibody [NBP1-50627] - Western blot analysis of LNCaP cell lysate using GOLM1 antibody at 1:5000.



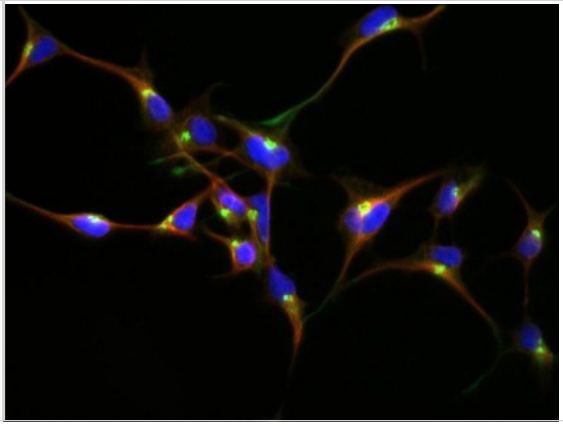

Immunocytochemistry/Immunofluorescence: GOLM1 Antibody [NBP1-50627] - Confocal immunofluorescent analysis of HeLa cells using GOLM1 antibody (NBP1-50627, 1:25). An Alexa Fluor 488-conjugated Goat to rabbit IgG was used as secondary antibody (green). Actin filaments were labeled with Alexa Fluor 568 phalloidin (red). DAPI was used to stain the cell nuclei (blue).



Immunocytochemistry/Immunofluorescence: GOLM1 Antibody [NBP1-50627] - ICC staining of GOLM1 in HEK293T cells with FITC (green). Nuclei (blue) were counterstained with Dapi.




Immunocytochemistry/Immunofluorescence: GOLM1 Antibody [NBP1-50627] - GOLM1 antibody was tested in HEK-293 cells with Dylight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red).



## Procedures

**Western Blot protocol for GOLM1 Antibody (NBP1-50627)**
Western Blot Protocol

1. Perform SDS-PAGE on samples to be analyzed, loading 40 ug of total protein per lane.
2. Transfer proteins to membrane according to the instructions provided by the manufacturer of the membrane and transfer apparatus.
3. Stain according to standard Ponceau S procedure (or similar product) to assess transfer success, and mark molecular weight standards where appropriate.
4. Rinse the blot.
5. Block the membrane using standard blocking buffer for at least 1 hour.
6. Wash the membrane in wash buffer three times for 10 minutes each.
7. Dilute the primary antibody in blocking buffer and incubate 1 hour at room temperature.
8. Wash the membrane in wash buffer three times for 10 minutes each.
9. Apply diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
10. Wash the blot in wash buffer three times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions.

*Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%.

**Immunocytochemistry/Immunofluorescence Protocol for GOLM1 Antibody (NBP1-50627)**
Immunocytochemistry Protocol

Culture cells to appropriate density in 35 mm culture dishes or 6-well plates.

1. Remove culture medium and add 10% formalin to the dish. Fix at room temperature for 30 minutes.
2. Remove the formalin and add ice cold methanol. Incubate for 5-10 minutes.
3. Remove methanol and add washing solution (i.e. PBS). Be sure to not let the specimen dry out. Wash three times for 10 minutes.
4. To block nonspecific antibody binding incubate in 10% normal goat serum from 1 hour to overnight at room temperature.
5. Add primary antibody at appropriate dilution and incubate at room temperature from 2 hours to overnight at room temperature.
6. Remove primary antibody and replace with washing solution. Wash three times for 10 minutes.
7. Add secondary antibody at appropriate dilution. Incubate for 1 hour at room temperature.
8. Remove antibody and replace with wash solution, then wash for 10 minutes. Add Hoechst 33258 to wash solution at 1:25,0000 and incubate for 10 minutes. Wash a third time for 10 minutes.
9. Cells can be viewed directly after washing. The plates can also be stored in PBS containing Azide covered in Parafilm (TM). Cells can also be cover-slipped using Fluoromount, with appropriate sealing.

*The above information is only intended as a guide. The researcher should determine what protocol best meets their needs. Please follow safe laboratory procedures.

## Novus Biologicals USA
8100 Southpark Way, A-8
Littleton, CO 80120
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

## Novus Biologicals Canada
461 North Service Road West, Unit B37
Oakville, ON L6M 2V5
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada@novusbio.com

## Novus Biologicals Europe
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info@bio-techne.com

## General Contact Information
www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com


**Limitations**
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

**For more information on our guarantee, please visit www.novusbio.com/guarantee.**